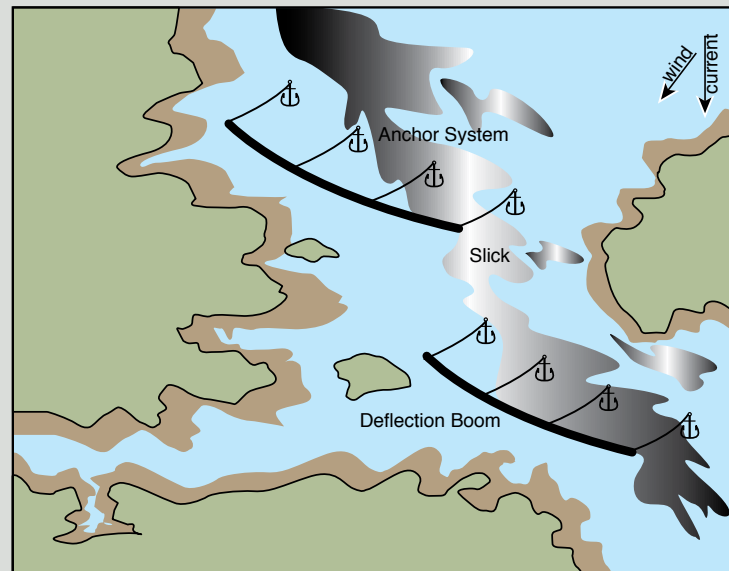


An example of the *Exclusion Booming Tactic*. Actual deployment should be adjusted for local conditions.



An example of the *Deflection Booming Tactic*. Actual deployment should be adjusted for local conditions.

Map  
Legend



Free-oil Recovery

Deflection Booming



Exclusion Booming



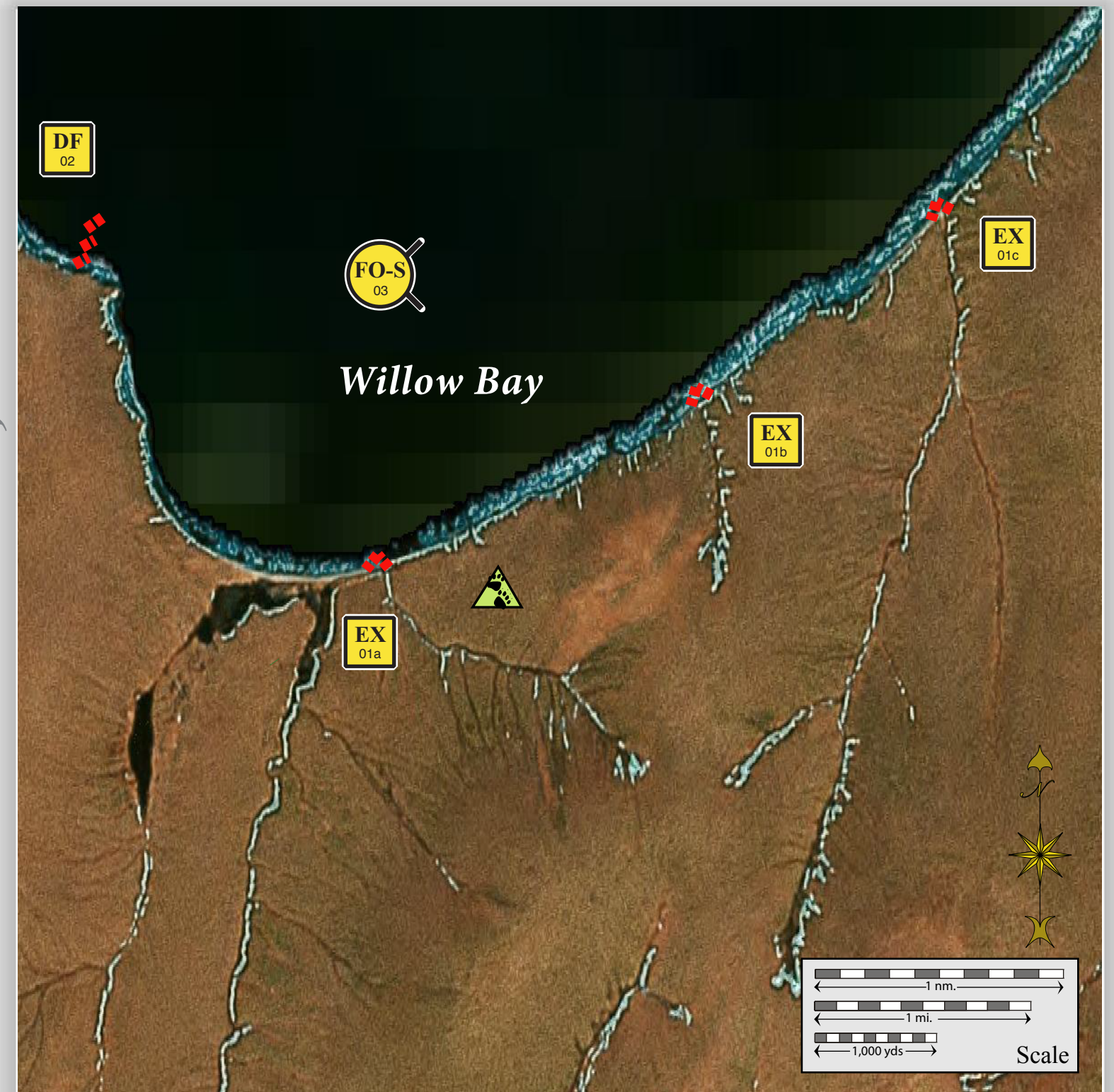
Protected-water Boom

Aerial photography of this area is unavailable at this time, but may be included as it becomes available.

# Geographic Response Strategies for Northwest Arctic Subarea, Northern Zone

## Willow Bay, NWA-N30

Center of map at 66° 02.81' N Lat., 162° 30.14' W Lon.



This is not intended for navigational use.

ID	Location and Description	Response Strategy	Implementation	Response Resources	Staging Area	Site Access	Resources Protected (months)	Special Considerations
N-30-02 <div>EX</div>	<b>Willow Bay</b> <b>Willow Creek</b> a. Lat. 66° 01.67'N Lon. 162°21.12'W  b. Lat. 66° 02.42'N Lon. 162°16.05'W  c. Lat. 66° 03.33'N Lon. 162°12.26'W	<b>Exclusion</b> Exclude oil from entering Willow Creek.	Deploy anchors and boom with skiffs (class 6).  Place protected-water boom in a chevron pattern in front of the entrance to the creeks. If the sea state does not allow this deployment, move to inside the entrance until the boom is able to hold.  Tend throughout the tide.  <u>Boom Lengths:</u> a. 500 ft b. 350 ft c. 350 ft	<b>Deployment</b> <b>Equipment</b> 1200 ft. protected-water boom 9 ea. anchor systems 12 ea. anchor stakes <b>Vessels</b> 2 ea. class 3 1 ea. class 6 <b>Personnel/Shift</b> 5 ea. vessel crew 2 ea. response techs <b>Tending</b> <b>Vessels</b> 1 ea. class 6 1 ea. class 3 <b>Personnel/Shift</b> 5 ea. vessel crew	Vessel Platform	Via marine waters  Chart 16240	Fish- herring spawning, dolly varden char, rainbow smelt, saffron cod, white fish  Birds- waterfowl concentration, shorebird concentration, seabird nesting  Marine mammals- seals  Habitat- tundra cliffs, gravel beaches, low lying tundra  Human Use: Subsistence	Vessel master should have local knowledge.  Survey: not yet  Tested: not yet
N-30-03 <div>DF</div>	<b>Willow Bay</b> Lat. 66° 02.96'N Lon. 162°25.50'W	<b>Deflection</b> Deflect oil coming towards Willow Bay back into deeper water for free-oil recovery.  If natural deflection is sufficient for Free-oil Recovery, deployment is not necessary.	Deploy boom and anchor system with skiffs (class 6).  Position in a cascaded fashion 3 x 600 ft. of protected-water boom at a proper angle to deflect oil from Willow Bay  Tend throughout the tide.	<b>Deployment</b> <b>Equipment</b> 1800 ft. protected-water boom 18 ea. anchor systems <b>Vessels/Personnel/Shift</b> Same as N-30-01 <b>Tending</b> <b>Vessels/Personnel/Shift</b> Same as N-30-01	Deering	Via marine waters  Chart 16240	Same as N-30-01	Vessel master should have local knowledge.  Site surveyed: Not surveyed.  Tested: not yet
N-30-01 <div>FO-S</div>	<b>Willow Bay</b> Nearshore waters in the general area of:  Lat. 66° 03.88'N Lon. 162°19.65'W	<b>Free-oil Recovery</b> Maximize free-oil recovery in the offshore & nearshore environment of Willow Bay depending on spill location and trajectory.	Deploy free-oil recovery strike teams upwind and up current of Willow Bay.  Use aerial surveillance to locate incoming slicks.	Deploy multiple free-oil recovery strike teams as required to maximize interception of oil before it impacts sensitive areas.	Deering	Via marine waters  Chart 16240	Same as N-30-01	Vessel master should have local knowledge.  Use extreme caution, shoal waters with numerous reefs and rocks.